

FIG. 1

Proposed Synthesis of CNCbl poly-L-lysine-DTPA

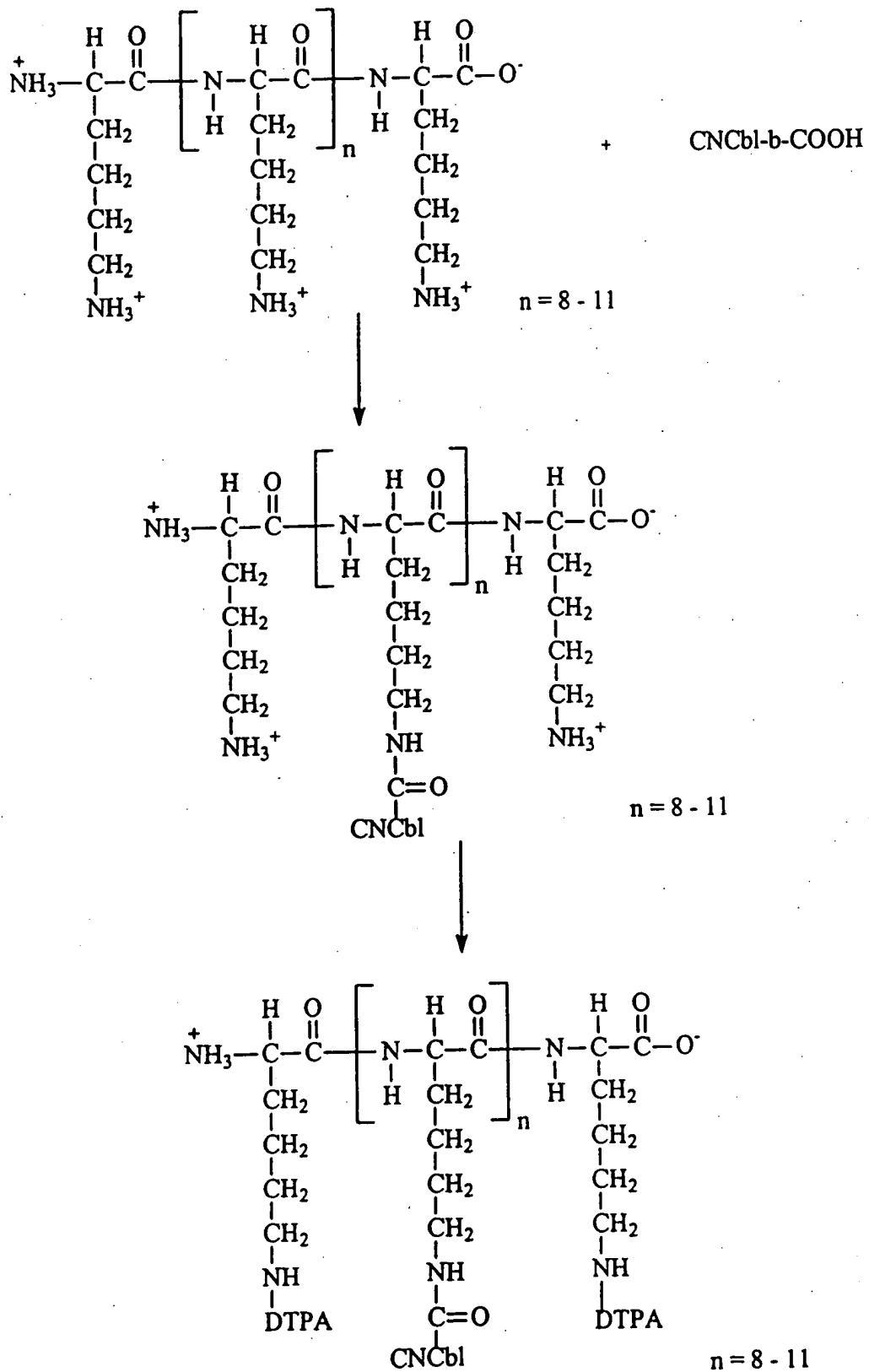


FIG. 2

Synthesis of adenosyltrifluoroethylamidocobalamins

CNCbl COOH (b, d, and e)

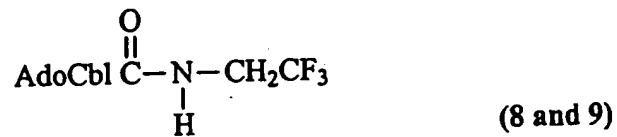
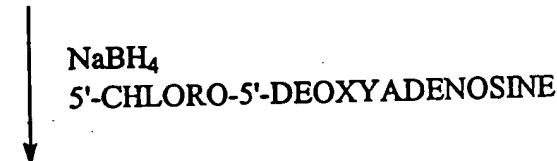
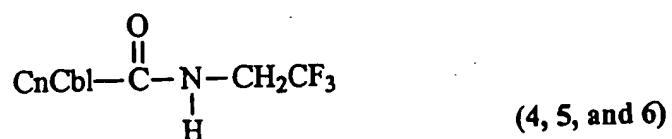
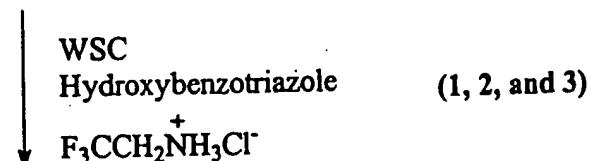


FIG. 3

Synthesis of adenosyltrifluoroethylamidocobalamins

CNCbl di COOH

↓
WSC
Hydroxybenzotriazole
 $\text{F}_3\text{CCH}_2\text{NH}_3\text{Cl}^-$

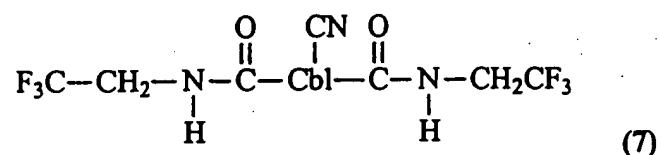
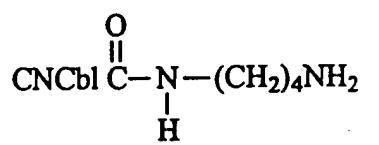


FIG. 4

Synthesis of cyano- β -trifluoroacetamidoethylamidocobalamin



↓
WSC
Hydroxybenzotriazole
 $\text{F}_3\text{CCOO}^-\text{Na}^+$

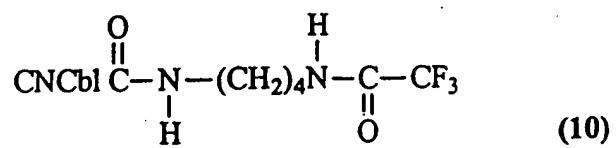


FIG. 5

Synthesis of cyanotrifluoroacetyl polylysine cobalamin

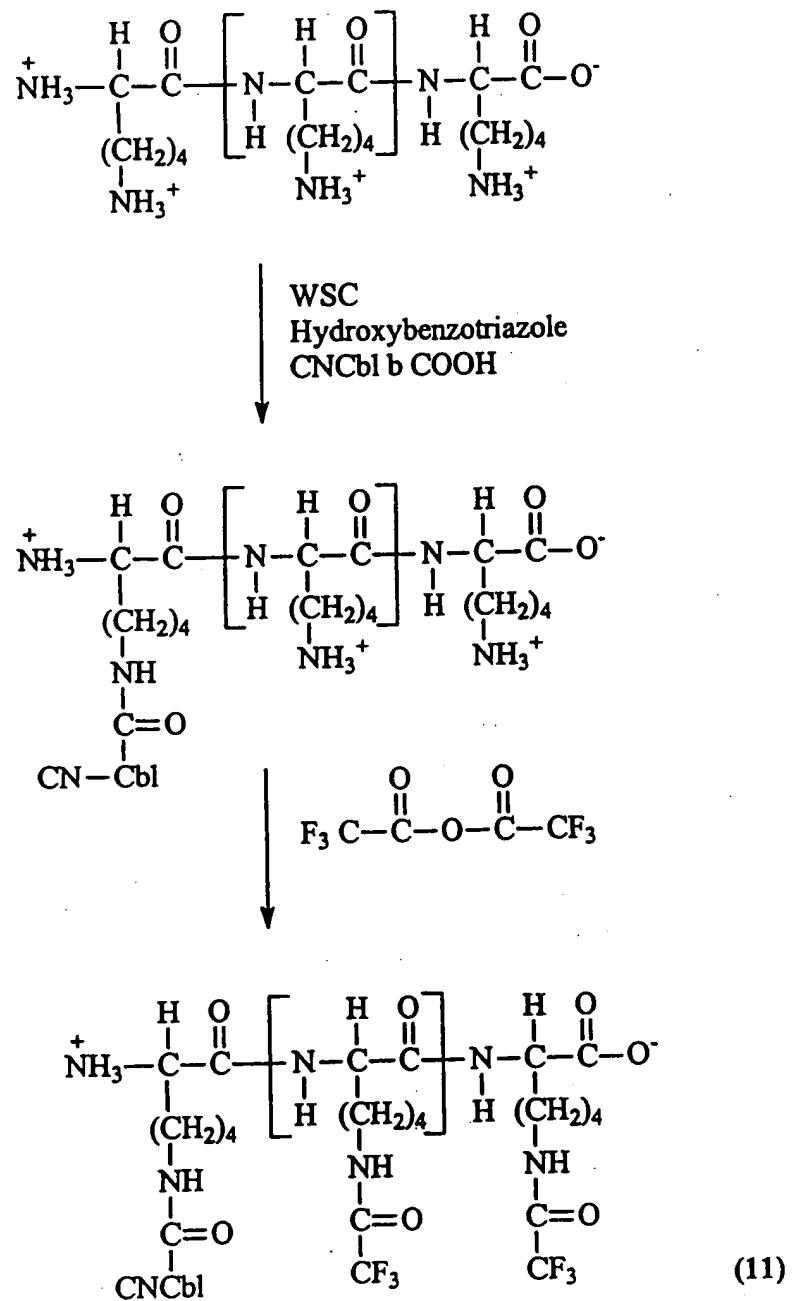


FIG. 6